

The GIS Unit is pleased to announce the release of our 2nd Quarter 2020 Publication data updates.

If you have any questions, please contact [gishelp@ncdot.gov](mailto:gishelp@ncdot.gov).

### Contents

[Updated Data Sets](#)

[GIS Unit Products Affected by the Update](#)

[Status of the Route Data](#)

### Updated Data Sets

The following datasets were updated for the 2nd Quarter:

RoadBarePvmnt  
NCRouteCharacteristics  
RoadFunctionalClass  
NCRoutes  
NCRouteArcs  
NHSRoutes  
RoadUnpaved  
RoadPostedRoute  
RoadSpeedLimit  
RoadAccessControl  
RoadFederalAid  
RoadTruckNetwork  
StructuresPoint  
RailroadCrossings  
RailroadTrack  
RailroadFacility

### Schema Updates

The following datasets have updates to schema for the 2nd Quarter. You will need to remove and re-add these layers in webmaps and applications to reflect the schema update:

BOUNDARYMUNICIPAL: Removed Fields GlobalID, MNCPL\_BNDRY\_NM

### GIS Unit Products Affected by the Update

The following GIS Unit products will reflect the data updates:

#### Geospatial Web Services

[NCDOT Structures](#)

[NCDOT Bridges](#)  
[NCDOT North Carolina Rail System](#)  
[NCDOT North Carolina Railroads](#)  
[NCDOT Road Characteristics](#)  
[NCDOT State Maintained Roads](#)  
[NCDOT Access Control](#)  
[NCDOT Bare Pavement](#)  
[NCDOT Federal Aid Routes](#)  
[NCDOT Functional Class](#)  
[NCDOT MileMarker Hatching](#)  
[NCDOT NHS](#)  
[NCDOT Posted Roads - Light Traffic](#)  
[NCDOT Speed Limits](#)  
[NCDOT Truck Network](#)  
[NCDOT Unpaved Roads](#)  
[NCDOT Shields](#)

### **GO!NC/AGOL Web Maps**

(available at <http://ncdot.maps.arcgis.com>)

[NCDOT 2018-2027 STIP Map](#)  
[NCDOT Structures Map](#)  
[NCDOT Distance Hatches & Bridges Map](#)  
[NCDOT Bridges Map](#)  
[NCDOT Bridges, State Maintained Roads, and MPO/RPO Boundary Map](#)  
[NCDOT Access Control Map](#)  
[NCDOT Federal Aid Routes Map](#)  
[NCDOT Road Events Map](#)  
[NCDOT State Boundary Roadway Maintenance Status Change Map](#)  
[NCDOT State Maintained Network Map](#)  
[NCDOT State Maintained Roads, State Orthoimagery, and Parcels](#)  
[NCDOT RoadNC Viewer Map](#)  
[NCDOT Connecting North Carolina's Military and Families](#)

### **Downloadable Data**

(available at <https://connect.ncdot.gov/resources/gis/Pages/GIS-Data-Layers.aspx>)

[Structure Locations Statewide](#) (aka Bridges)  
[NCDOT Rail Track Shapefile](#)  
[NCDOT Rail Crossing Shapefile](#)  
[NCDOT Rail Facility Shapefile](#)  
[NCDOT Rail Layers Geodatabase](#)  
[Road Characteristics Arcs Shapefile](#)  
[Road Characteristics Arcs File Geodatabase](#)  
[NCRoutes Shapefile](#)  
[NCRoutes File Geodatabase](#)  
[NCRouteArcs Shapefile](#)  
[NCRouteArcs File Geodatabase](#)

### Status of the Route Data

The following is the status of the route/road data provided at this quarterly data update:

#### Improvements:

##### 1. Route Data Currency:

System roads (state maintained) are current through March 2020 for changes by NCDOT Petitions and Municipal Agreements process. Non-system roads (maintained by local governments) are up to date for Alamance (up to date as of 7/11/2019), Alexander (up to date as of 12/18/2019), Alleghany (up to date as of 1/22/2020), Anson (up to date as of 8/3/2012), Ashe (up to date as of 4/16/2019), Avery (up to date as of 2/19/2020), Beaufort (up to date as of 9/24/2019), Bertie (up to date as of 3/15/2018), Bladen (up to date as of 3/13/2018), Brunswick (up to date as of 1/31/2020), Buncombe (up to date as of 2/5/2020), Burke (up to date as of 11/1/2019), Cabarrus (up to date as of 8/1/2019), Caldwell (up to date as of 8/6/2018), Camden (up to date as of 12/23/2019), Carteret (up to date as of 10/10/2019), Caswell (up to date as of 5/30/2018), Catawba (up to date as of 10/7/2019), Chatham (up to date as of 7/11/2019), Cherokee (up to date as of 1/23/2020), Chowan (up to date as of 5/21/2018), Clay (up to date as of 2/7/2019), Cleveland (up to date as of 11/4/2019), Columbus (up to date as of 9/12/2019), Craven (up to date as of 9/24/2019), Cumberland (up to date as of 2/6/2020), Currituck (up to date as of 10/29/2019), Dare (up to date as of 1/21/2020), Davidson (up to date as of 9/16/2019), Davie (up to date as of 10/9/2019), Duplin (up to date as of 1/13/2020), Durham (up to date as of 2/3/2020), EBCN Cherokee (up to date as of 9/17/2018), EBCN Graham (up to date as of 9/21/2018), EBCN Haywood (up to date as of 9/17/2018), EBCN Jackson (up to date as of 9/17/2018), Edgecombe (up to date as of 3/26/2018), Forsyth (up to date as of 7/11/2019), Franklin (up to date as of 1/22/2020), Gaston (up to date as of 10/16/2019), Gates (up to date as of 10/29/2019), Graham (up to date as of 9/21/2018), Granville (up to date as of 10/29/2019), Greene (up to date as of 3/28/2018), Guilford (up to date as of 2/3/2020), Halifax (up to date as of 10/28/2019), Harnett (up to date as of 7/11/2019), Haywood (up to date as of 11/8/2019), Henderson (up to date as of 11/1/2019), Hertford (up to date as of 2/6/2020), Hoke (up to date as of 12/16/2019), Hyde (up to date as of 5/15/2018), Iredell (up to date as of 2/3/2020), Jackson (up to date as of 9/5/2018), Johnston (up to date as of 2/3/2020), Jones (up to date as of 8/22/2017), Lee (up to date as of 8/6/2019), Lenoir (up to date as of 2/5/2020), Lincoln (up to date as of 10/15/2019), Macon (up to date as of 11/8/2019), Madison (up to date as of 8/29/2018), Martin (up to date as of 10/25/2019), McDowell (up to date as of 12/31/2019), Mecklenburg (up to date as of 3/11/2020), Mitchell (up to date as of 1/29/2020), Montgomery (up to date as of 1/14/2020), Moore (up to date as of 9/12/2019), Nash (up to date as of 10/22/2019), New Hanover (up to date as of 2/5/2020), Northampton (up to date as of 5/30/2018), Onslow (up to date as of 10/17/2019), Orange (up to date as of 8/22/2019), Pamlico (up to date as of 10/23/2019), Pasquotank (up to date as of 12/11/2019), Pender (up to date as of 10/31/2019), Perquimans (up to date as of 7/23/2018), Person (up to date as of 1/29/2020), Pitt (up to date as of 11/22/2019), Polk (up to date as of 2/5/2020), Randolph (up to date as of 9/12/2019), Richmond (up to date as of 11/6/2019), Robeson (up to date as of 12/13/2019), Rockingham (up to date as of 10/30/2019), Rowan (up to date as of 10/11/2019), Rutherford (up to date as of 8/14/2018), Sampson (up to date as of 10/18/2019), Scotland (up to date as of 11/25/2019), Stanly (up

to date as of 11/5/2019), Stokes (up to date as of 1/22/2020), Surry (up to date as of 10/28/2019), Swain (up to date as of 8/31/2018), Transylvania (up to date as of 1/10/2020), Tyrrell (up to date as of 5/16/2018), Union (up to date as of 10/9/2019), Vance (up to date as of 12/23/2019), Wake (up to date as of 2/5/2020), Warren (up to date as of 11/20/2017), Washington (up to date as of 3/27/2018), Watauga (up to date as of 1/29/2020), Wayne (up to date as of 9/19/2019), Wilkes (up to date as of 1/14/2020), Wilson (up to date as of 11/7/2019), Yadkin (up to date as of 10/31/2019), Yancey (up to date as of 1/29/2020)

### Non-System Route Data Updated This Quarter:

Alexander (up to date as of 12/18/2019), Alleghany (up to date as of 1/22/2020), Avery (up to date as of 2/19/2020), Brunswick (up to date as of 1/31/2020), Buncombe (up to date as of 2/5/2020), Burke (up to date as of 11/1/2019), Camden (up to date as of 12/23/2019), Cherokee (up to date as of 1/23/2020), Cumberland (up to date as of 2/6/2020), Currituck (up to date as of 10/29/2019), Dare (up to date as of 1/21/2020), Davie (up to date as of 10/9/2019), Duplin (up to date as of 1/13/2020), Durham (up to date as of 2/3/2020), Franklin (up to date as of 1/22/2020), Guilford (up to date as of 2/3/2020), Halifax (up to date as of 10/28/2019), Haywood (up to date as of 11/8/2019), Hertford (up to date as of 2/6/2020), Hoke (up to date as of 12/16/2019), Iredell (up to date as of 2/3/2020), Johnston (up to date as of 2/3/2020), Lenoir (up to date as of 2/5/2020), Macon (up to date as of 11/8/2019), Madison (up to date as of 8/29/2018), McDowell (up to date as of 12/31/2019), Mitchell (up to date as of 1/29/2020), Montgomery (up to date as of 1/14/2020), Nash (up to date as of 10/22/2019), New Hanover (up to date as of 2/5/2020), Pamlico (up to date as of 10/23/2019), Pender (up to date as of 10/31/2019), Person (up to date as of 1/29/2020), Polk (up to date as of 2/5/2020), Rockingham (up to date as of 10/30/2019), Scotland (up to date as of 11/25/2019), Stokes (up to date as of 1/22/2020), Surry (up to date as of 10/28/2019), Swain (up to date as of 11/8/2019), Transylvania (up to date as of 1/10/2019), Vance (up to date as of 12/23/2019), Wake (up to date as of 2/5/2020), Watauga (up to date as of 1/29/2020), Wilkes (up to date as of 1/14/2020), Yadkin (up to date as of 10/31/2019), Yancey (up to date as of 1/29/2020)

### 2. The following routes have measures issues were fixed in this release:

- a. Granville US-158 BUS 29000158039
- b. Yancey US-19 East Southbound 25400019100
- c. Rutherford US-74 BUS Westbound 29600074081
- d. Rutherford US-221 Southbound 20400221081
- e. Rutherford SR-2105 40002105081
- f. Cabarrus SR-1304 opposite inventory 40401304013
- g. Dare SA-98032 60098032028
- h. Scotland SA-98832 60098832083

### Known Issues:

The following are known issues for Q2:

1. 30000018097/30400018097 have overlapping records from 23.001 to 23.114 on 30000018097

2. 29000421053/30000087053 have overlapping records from 0.708 to 2.61 on 29000421053
3. 32000087053 and 32400087053 not co-routed correctly with 20000421053 and 20400421053 from 1.365 to 8.108 on 32000087053